

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/FR 03/03131

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B05B15/06 B05B15/00 B23K26/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B05B B23K B26F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 952 437 A (O M C CO LTD) 27 October 1999 (1999-10-27) the whole document	1,2,4,5, 8,9
A	WO 91 12896 A (SCHMIDIGER MARTIN ;BUECHLER MARTIN (CH)) 5 September 1991 (1991-09-05) the whole document	1,4,6
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 14, 31 December 1998 (1998-12-31) & JP 10 249572 A (AMADA CO LTD), 22 September 1998 (1998-09-22) abstract	1,2,4,6, 8,9



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

2 March 2004

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19/03/2004

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information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			JP 11307841 A	05-11-1999
			EP 0952437 A2	27-10-1999
			US 6169758 B1	02-01-2001
WO 9112896	A	05-09-1991	WO 9112896 A1	05-09-1991
JP 10249572	A	22-09-1998	NONE	